

Product Datasheet

NOX5 Antibody NBP1-68862

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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NBP1-68862

NOX5 Antibody

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

Product Description	
Description	Novus Biologicals Goat NOX5 Antibody (NBP1-68862) is a polyclonal antibody validated for use in WB, ELISA and ICC/IF. Anti-NOX5 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	79400
Gene Symbol	NOX5
Species	Human, Mouse
Reactivity Notes	Use in Mouse reported in scientific literature (PMID:32165681).
Specificity/Sensitivity	This antibody is expected to recognize all reported isoforms (NP_078781.3; NP_001171708.1; NP_001171709.1).
Immunogen	Peptide with sequence C-EWHPFTISSAPEQKD corresponding to internal region according to NP_078781.3, NP_001171708.1, NP_001171709.1.

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Peptide ELISA
Recommended Dilutions	Western Blot 0.5 - 2 ug/ml, Immunocytochemistry/ Immunofluorescence 10 ug/ml, Peptide ELISA Detection limit 1:8000
Application Notes	WB: Approx. 90 kDa band observed in human testis lysates (calculated MW of 86.4 kDa band according to NP_078781.3).



Images

Western Blot: NOX5 Antibody [NBP1-68862] - NBP1-68862 (0.5ug/ml) staining of Human Testis lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

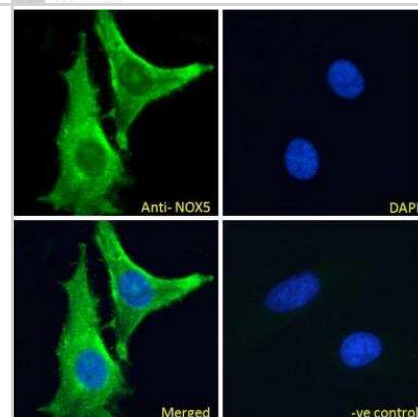
250kDa
150kDa
100kDa

75kDa
50kDa
37kDa

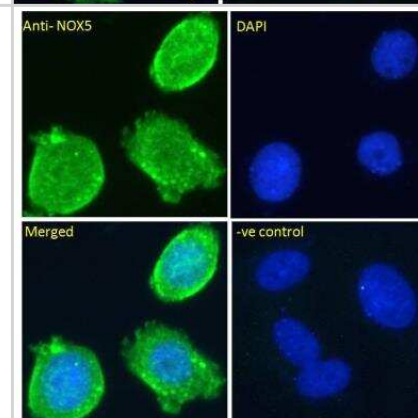
25kDa
20kDa

15kDa

Immunocytochemistry/Immunofluorescence: NOX5 Antibody [NBP1-68862] - Analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing staining within the cytoplasm and plasma membrane. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



Immunocytochemistry/Immunofluorescence: NOX5 Antibody [NBP1-68862] - Analysis of paraformaldehyde fixed MCF7 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing staining within the cytoplasm and plasma membrane. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



Publications

Jha JC, Dai A, Garzarella J et al. Independent of Renox, NOX5 Promotes Renal Inflammation and Fibrosis in Diabetes by Activating ROS-sensitive Pathways Diabetes 2022-03-11 [PMID: 35275988]

Kim Yr, Kim Js, Gu Sj et Al. Identification of highly potent and selective inhibitor, TIPTP, of the p22phox-Rubicon axis as a therapeutic agent for rheumatoid arthritis Sci Rep 2020-03-12 [PMID: 32165681] (WB, IF, Mouse)

Choi H, Kim S, Kim HJ et al. Sphingosylphosphorylcholine down-regulates filaggrin gene transcription through NOX5-based NADPH oxidase and cyclooxygenase-2 in human keratinocytes. Biochem Pharmacol 2010-07-01 [PMID: 20230798]



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Products Related to NBP1-68862

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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